

COSCO BUSAN

BUNKER TANKWISE PRESENT DISTRIBUTION AFTER COLLISION (AFTER REMAINING FO TRANSFERRED FROM 3P & 4P TO FO DB, O'FLOW, SETT & LS SETT TK)

Time:1700 Hrs NAME 100 % Capacity (M3) | SOUNDING ULLAGE CUBIC M NO₃ P 879.3 Damaged tank NO3 S 879.3 1440 92 NO4P 864.2 40.5 1537 Damaged tank NO4 S 864.2 290 736.5 NO5P 933.9 266 819.6 NO5 S 933.9 290 805.7 NO6 P 746.2 1118 223.7 NO6 S 746.2 1140 238.1 DB TK 501.5 453.3 **OVERFLOW** 176.5 278 417.1 SETT TK 123.2 143 113.3 120.6 SERV TK 383 89.1 LS SETT 120.5 100 91.2 LS SERV 120.6 92.2 345 TOTAL 3917.3

Calculation of spilled quantity:

Based on volumes of oil in damaged tanks (3P & 4P) and tanks where FO transferred(DB, Overflow, settling and low sulphur settling tank)

Damaged tanks	Departure ROB (m3)	Present ROB (M3) at 1700 Hrs on 08/11/07	Difference
FO 3(P)	91	5	86
FO 4(P)	745	40.5	704.5
		Total diff	790.5

Tanks where oil transferred	Departure ROB (m3)	Present ROB (M3) at 1700 Hrs on 08/11/07	Difference
Fuel oil DB tank	26,7	453.3	426.6
Overflow tank	49	117.1	68.1
FO settling tank	110.1	113.3	3.2
ow Sulphur:sett tank	1.7	91.2	89.5
		Oil transferred	587.4

Estimated Qty of FO spilled =

790.5 - 587.4 =

203.1 M3

Remark: 1) Due to damage FO tank 3(P) could not be sounded and a rough figure of unpumpable quantity remaining in 3(P) was taken as 5 M3. Exact amount will be known after actual sounding of unpumpable oil.

(FOF) 372-9888

MASTER

OSCO) BUSAN

3026

Before. DB 26.68.
Before 4R 753.91

Before 3P 90.95

871.54 23

After DB 354.30

After 41 264.75.

After 31.

32.86

651.91.

 $\begin{array}{rcl}
 & = & 219.63 \text{ m} \\
 & = & 58,020.167 \text{ gall} \\
 & = & 58,020.167 \text{ gall} \\
 & = & 1,841.908 \text{ Bbb}
 \end{aligned}$ cell

MST3 MARTIN

DATE:6-Nov	Time:0900				
1				TRIM:-1,0	
NAME	SOUNDING	CUBIC M	TEMP	SPEC GRA IN 15 C	M
NO3 P	14,18	90,95	39	0,9873	80
NO3 S	14,37	101,11	39	0,9873	98,
NO4P	2,53	753,91	19	0,9875	742.
NO4 S	2,41	761,03	16	0,9875	751,
NO5P	2,6	820,2	17	0,9873	808,
NO5 S	2,85	806,17	17	0,9873	794.9
NO6 P	11,38	228,48	18	0,9873	225,
1 NO6 S	11,49	216,8	18	0,9873	213,0
LDB TK	0,17	26,68	15	0,9873	26,
OVERFLOW	1,16	49	45	0,9873	47,
SETT TK	7,59	110,08	68	0,9873	10:
SERV TK	73,56	117,09	90	. 0,9873	11
LS SETT	0,16	1,72	65		1,0
LS SERV	10,6	. 99,1	65		8
	*. * *. · .		4 - 12 - 12 - 12	TOTAL	4098
DO STR	:				
DO SETT	2,16	26,766	E	0.85	22,
DO SERV	4,41	54.7		0.85	46,
				TOTAL	69,

#3P 90 m3 Pusaw IF0380 -- 50 m3. to DB Tk. # 4P 742 m/t LB to DB the 560 IF0 380.

(182 m)

ITS Intertek Testing Service Caleb Brett

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JR REFERENCE

BUNKER SURVEY

COSCO GUSTA-) CAUGAGET CONTROLL PROCEEDINGS COSCO	DATE 10 16 mm 10	16304	s ru	7 //8/8/		A CHARLES AND A	11121 64 2 17 18 17	0.10436		75.2	73)		.76	000	LONG TONSMETRIC TONS			12 0.132 K				<i>ħ%</i>	3,64	1/2-3		- [LONG TONSMETRIC TONS 3799. 19	- grafe
CUSTOWER PRODUCT DESCHIPTION PUBLICATION	0# 00		•	j			「十一「の」」	0.983 439							TOTAL G.S.V. BBL.S/M			10.463 502.47				167	9882 2n	74735	341	ろ	TOTAL G.S.V. BBLS/M	
1.0 ADER 1.10 AD				<u> </u>			ACTURA	/	0/89	/ 22 C		/ 8'95/	1012	1 000		WD: AFT	HOS LIVATANES LOS RELACIONAS POR RELACIONAS POR RELACIONAS POR RELACIONAS POR RELACIONAS POR RELACIONAS POR RE	148,0 117	L S:891	145.6	164.8	85.0 /	9.1		/ M ~ W	10v6		DADED PER RECEIPT:
				MAILE IN PORT	۲: ۶	VGES (SELECTION (SELECTION)	としている	**************************************				167h	750			DHAET		2.	487	703	7/8	1688	223	74641	71101	rual		